

IN THE CLAIMS

1-39. (cancelled)

40. (previously presented) A fused disconnect switch comprising:

a fuse configured to open an electrical circuit therethrough upon an occurrence of a predetermined current condition;

a switch housing assembly comprising a housing, said housing defining a fuse receptacle configured to receive said fuse, said housing having a first contact assembly and a second contact assembly establishing an electrical connection through said fuse when said fuse is received in said receptacle;

an open fuse indication device mechanically and electrically connected in parallel with said fuse, said open fuse indication device removable from said switch housing assembly when said fuse is removed from said fuse receptacle, and mechanically and electrically connected to each of said first contact assembly and said second contact assembly of said switch housing when said fuse is inserted into said receptacle; and

an alarm terminal output in communication with said open fuse indication device when said open fuse indication device is inserted into said receptacle.

41. (previously presented) A fused disconnect switch assembly in accordance with Claim 40 wherein one of said first and second contact assemblies comprises a bullet contact assembly.

42. (previously presented) A fused disconnect switch assembly in accordance with Claim 40 wherein one of said first and second contact assemblies comprises a box contact assembly.

43. (previously presented) A fused disconnect switch assembly in accordance with Claim 40 wherein one of said first and second contact assemblies comprises a terminal stud.

44. (previously presented) A fused disconnect switch assembly in accordance with Claim 43 further comprising a common bus bar coupled to said terminal stud.

45. (previously presented) A fused disconnect switch assembly in accordance with Claim 40 wherein said open fuse indication device comprises a high resistance electronic circuit.

46. (previously presented) A fused disconnect switch assembly comprising:

a pull out fuse assembly comprising a fuse having a primary fuse element therein, and an open fuse indication device mechanically coupled to and connected in parallel with said primary fuse element; and

a switch housing assembly for receiving said pull out fuse assembly, said switch housing assembly comprising:

a housing comprising a fuse receptacle dimensioned to receive said pull out fuse assembly;

a first terminal contact assembly in communication with said fuse receptacle, said first terminal contact assembly establishing a line side electrical connection through said primary fuse element when said pull out fuse assembly is inserted into said fuse receptacle;

a second terminal contact assembly in communication with said fuse receptacle, said second terminal contact assembly establishing a load side electrical connection through said primary fuse element when said pull out fuse assembly is

inserted into said fuse receptacle, said open fuse indication device visible from an exterior of said switch housing assembly when said fuse assembly is connected to said fuse receptacle; and

a remote output alarm terminal extending through said housing and communicating a signal from said open circuit indication device for remote indication of an open fuse condition;

wherein when said pullout fuse assembly is removed from said fuse receptacle, each of said fuse and said open fuse indication device are removed from said receptacle and disconnected from said switch housing.

47. (previously presented) A fused disconnect switch assembly in accordance with Claim 46 wherein at least one of said first and second terminal contact assemblies comprises a bullet contact assembly.

48. (previously presented) A fused disconnect switch assembly in accordance with Claim 46 wherein at least one of said first and second terminal contact assemblies comprises a box contact assembly.

49. (previously presented) A fused disconnect switch assembly in accordance with Claim 46 wherein at least one of said first and second terminal contact assemblies comprises a terminal stud.

50. (previously presented) A fused disconnect switch assembly in accordance with Claim 46, said housing further comprising a DIN rail latch.

51. (previously presented) A fused disconnect switch assembly in accordance with Claim 46 further comprising a common bus bar extending from one of said first and second terminal contact assemblies.

52. (previously presented) A fused disconnect switch assembly in accordance with Claim 46 wherein said open fuse indication devices comprises a high resistance electronic circuit.

53. (previously presented) A fused disconnect switch assembly comprising:

a switch housing assembly comprising a housing defining a fuse receptacle, and at least a first terminal contact assembly comprising a bullet contact assembly for connection to external circuitry; and

a pull out fuse assembly comprising

a housing configured for insertion into and removal from said fuse receptacle,

a line side conducting portion, a load side conducting portion, and a fuse element extending between said line side conducting portion and said load side conducting portion; and

an open fuse indication device connected between said line side conducting portion and said load side conducting portion and configured to visually indicate a state of said fuse element.

54. (previously presented) A fused disconnect switch assembly in accordance with Claim 53, said switch housing assembly further comprising a second terminal contact assembly, and an alarm terminal output positioned between said first terminal contact assembly and said second terminal contact assembly.

55. (previously presented) A fused disconnect switch assembly comprising:

a pull out fuse assembly comprising a pair of opposed conductive elements, ~~and~~ a fuse element extending between said opposed conductive elements, and an open fuse indicator connected in parallel with said fuse element; and

a switch housing assembly comprising a housing configured for receiving said fuse assembly and a pair of switchable terminal contacts therein for engaging said pair of conductive elements, wherein at least one of said terminal contacts comprises a bullet contact assembly.

56. (previously presented) A fused disconnect switch assembly comprising:

a switch housing assembly comprising a receptacle and a pair of switchable terminal contacts proximate said receptacle;

a pull out fuse comprising a pull out housing and a primary fuse element, said pull out housing removably insertable into said receptacle; and

a pull out open circuit indication device connected to said primary fuse element and coupled to said pull out housing, said pull out open circuit indication device connected to each of said switchable contacts when said fuse is inserted into said receptacle.

57. (previously presented) A fused disconnect switch assembly comprising:

a switch housing assembly comprising a receptacle and at least one bullet contact assembly;

a pull out fuse comprising a primary fuse element, said pull out fuse removably insertable into said receptacle; and

an open fuse indication device coupled to said pull out fuse and electrically connected in parallel with said primary fuse element, wherein when said pull out fuse is

removed from said receptacle, said open fuse indication device is also removed from said receptacle.